

CLAIMS

What is claimed is:

1. A system comprising:

at least one wall switch device fastened to a wall switch module and

communicating with a network; and

a wireless transceiver base to enable communication between the wall switch
device and the network via a wireless data transfer protocol.
2. The system of claim 1 wherein the network includes other wall switch
devices.
3. The system of claim 1 wherein the network includes Internet.
4. The system of claim 1 further comprising a server that communicates with
the wall switch device using the wireless transceiver base.
5. The system of claim 4 further comprising a gateway that is connected to
the server and allows communication between the wall switch device and the server using
the wireless transceiver base.
6. The system of claim 1 wherein the wireless data transfer protocol is IEEE
802.11b wireless communication standard.

7. The system of claim 1 wherein the wall switch device includes an identifier.

8. The system of claim 1 wherein the wall switch device includes a display.

9. The system of claim 1 wherein the wall switch device includes a user interface.

10. The system of claim 1 wherein the wall switch device further comprises:
a charge-coupled device;
a lens; and
a logic to allow the wall switch device capture and transmit digital images via the wireless communication protocol.

11. The system of claim 10 wherein the wall switch device also includes a charge-coupled device plug on adapter.

12. The system of claim 1 wherein the wall switch device includes a receptacle to hold a portable electronic device.

13. The system of claim 12 wherein the portable electronic device is a personal digital assistant.

14. A system comprising:

at least one wall switch device fastened to a wall switch module and communicating with a network; and

a power input coupled to the wall switch device, the power input connected to power wires, the power wires enabling communication between the wall switch device and the network, the wall switch device including a data transceiver to receive and transfer data via the power wires to the network.

15. The system of claim 14 wherein the network includes other wall switch devices.

16. The system of claim 14 wherein the network includes Internet.

17. The system of claim 14 further comprising a wireless transceiver base to enable communication between the wall switch device and the network via a wireless data transfer protocol.

18. The system of claim 17 further comprising a server that communicates with the wall switch device using the wireless transceiver base.

19. The system of claim 18 further comprising a gateway that is connected to the server and allows communication between the wall switch device and the server using the wireless transceiver base.

20. The system of claim 17 wherein the wireless data transfer protocol is IEEE 802.11b wireless communication standard.

21. The system of claim 17 wherein the wireless data transfer protocol is Bluetooth™.

22. The system of claim 14 wherein the wall switch device includes an identifier.

23. The system of claim 14 wherein the wall switch device includes a display.

24. The system of claim 14 wherein the wall switch device includes a user interface.

25. The system of claim 17 wherein the wall switch device further comprises:
a charge-coupled device;
a lens; and
a logic to allow the wall switch device capture and transmit digital images via the wireless communication protocol.

26. The system of claim 25 wherein the wall switch device also includes a charge-coupled device plug on adapter.

27. The system of claim 14 wherein the wall switch device includes a receptacle to hold a portable electronic device.

28. The system of claim 27 wherein the portable electronic device is a personal digital assistant.

29. A system comprising:
at least one power outlet device fastened to a power outlet module and communicating with a network; and
a wireless transceiver base to enable communication between the power outlet device and the network via a wireless data transfer protocol.

30. The system of claim 29 wherein the network includes other power outlet devices.

31. The system of claim 30 wherein the network includes Internet.

32. The system of claim 29 further comprising a server that communicates with the power outlet device using the wireless transceiver base.

33. The system of claim 32 further comprising a gateway that is connected to the server and allows communication between the power outlet device and the server using the wireless transceiver base.

34. The system of claim 29 wherein the wireless data transfer protocol is IEEE 802.11b wireless communication standard.

35. The system of claim 29 wherein the wireless data transfer protocol is Bluetooth™.

36. The system of claim 29 wherein the power outlet device includes an identifier.

37. The system of claim 29 wherein the power outlet device includes a display.

38. The system of claim 29 wherein the power outlet device includes a user interface.

39. The system of claim 29 wherein the power outlet device further comprises:

a charge-coupled device;

a lens; and

a logic to allow the power outlet device capture and transmit digital images via the wireless communication protocol.

40. The system of claim 39 wherein the power outlet device also includes a charge-coupled device plug on adapter.

41. The system of claim 29 wherein the power outlet device includes a receptacle to hold a portable electronic device.

42. The system of claim 41 wherein the portable electronic device is a personal digital assistant.

43. A system comprising:
at least one power outlet device fastened over a power outlet module and communicating with a network; and
a power input coupled to the power outlet device, the power input connected to power wires, the power wires enabling communication between the power outlet device and the network, each power outlet device including a data transceiver to receive and transfer data via the power wires to the network.

44. The system of claim 43 wherein the network includes other power outlet devices.

45. The system of claim 43 wherein the network includes Internet.

46. The system of claim 43 further comprising a wireless transceiver base to enable communication between the power outlet device and the network via a wireless data transfer protocol.

47. The system of claim 46 further comprising a server that communicates with the power outlet device using the wireless transceiver base.

48. The system of claim 47 further comprising a gateway that is connected to the server and allows communication between the power outlet device and the server using the wireless transceiver base.

49. The system of claim 46 wherein the wireless data transfer protocol is IEEE 802.11b wireless communication standard.

50. The system of claim 46 wherein the wireless data transfer protocol is Bluetooth™.

51. The system of claim 43 wherein the power outlet device includes an identifier.

52. The system of claim 43 wherein the power outlet device includes a display.

53. The system of claim 43 wherein the power outlet device includes a user interface.

54. The system of claim 46 wherein the power outlet device further comprises:

a charge-coupled device;

a lens; and

a logic to allow the power outlet device capture and transmit digital images via the wireless communication protocol.

55. The system of claim 54 wherein the power outlet device also includes a charge-coupled device plug on adapter.

56. The system of claim 43 wherein the power outlet device includes a receptacle to hold a portable electronic device.

57. The system of claim 56 wherein the portable electronic device is a personal digital assistant.

58. A method comprising:

receiving data from a network through power wires connected to a power input, the power input coupled to a wall switch device fastened to a light switch module on a wall, the wall switch device receiving the data via a data transceiver on the wall switch device; and

communicating data back to the network.

59. The method of claim 58 wherein the network includes other wall switch devices.

60. The method of claim 58 wherein the network is Internet.

61. The method of claim 58 further comprising communicating data between the wall switch device and the network via a wireless transfer protocol using a wireless transceiver base.

62. The method of claim 61 further comprising communicating data between a server and the wall switch device using the wireless transceiver base.

63. The method of claim 62 further comprising communicating data between the server and the wall switch device using a gateway connected to the server and the wireless transceiver base.

64. The method of claim 61 wherein the wireless data transfer protocol is IEEE 802.11b wireless communication standard.

65. The method of claim 61 wherein the wireless data transfer protocol is Bluetooth™.

66. The method of claim 58 further comprising identifying the wall switch device by having an identifier on the wall switch device.

67. The method of claim 58 further comprising displaying information on a display integral to the wall switch device.

68. The method of claim 67 further comprising inputting information via a user interface on the display of the wall switch device.

69. The method of claim 61 further comprising:
capturing digital images via a charge-coupled device and lens integral to the wall switch device; and
receiving and transmitting digital images using a logic and the wireless transfer protocol.

70. The method of claim 58 further comprising docking a portable electronic device in a receptacle on the wall switch device.

71. The method of claim 70 wherein the portable electronic device is a personal digital assistant.

72. A method comprising:

receiving data from a network through power wires connected to a power input, the power input coupled to a power outlet device fastened to a power outlet module on a wall, the power outlet device receiving the data via a data transceiver on the power outlet device; and

communicating data back to the network.

73. The method of claim 72 wherein the network includes other power outlet devices.

74. The method of claim 72 wherein the network is Internet.

75. The method of claim 72 further comprising communicating data between the power outlet device and the network via a wireless transfer protocol using a wireless transceiver base.

76. The method of claim 75 further comprising communicating data between a server and the power outlet device using the wireless transceiver base.

77. The method of claim 76 further comprising communicating data between the server and the power outlet device using a gateway connected to the server and the wireless transceiver base.

78. The method of claim 75 wherein the wireless data transfer protocol is IEEE 802.11b wireless communication standard.

79. The method of claim 75 wherein the wireless data transfer protocol is Bluetooth™.

80. The method of claim 72 further comprising identifying the power outlet device by having an identifier on the power outlet device.

81. The method of claim 72 further comprising displaying information on a display integral to the power outlet device.

82. The method of claim 81 further comprising inputting information via a user interface on the display of the power outlet device.

83. The method of claim 75 further comprising:
capturing digital images via a charge-coupled device and lens integral to the power outlet device; and

